8. A solution to the equation

$$x^3 + 2x - 5 = 0$$

lies between 1 and 2.

Use the method of trial and improvement to find this solution correct to 1 decimal place.

[4]

6. A solution to the equation

$$x^3 - 7x - 75 = 0$$

lies between 4 and 5.

Use the method of trial and improvement to find this solution correct to 1 decimal place.

[4]

5. A solution to the equation

$$x^3 + 6x - 60 = 0$$

lies between 3 and 4.

Use the method of trial and improvement to find this solution correct to one decimal place.

[4]

3. A solution to the equation

$$x^3 + 5x - 30 = 0$$

lies between 2 and 3.

Use the method of trial and improvement to find this solution correct to one decimal place.

[4]

8. A solution to the equation

$$x^3 - 6x - 3 = 0$$

lies between 2·6 and 2·7.

Use the method of trial and improvement to find this solution correct to 2 decimal places.

[4]